

BIBLIOGRAPHY FOR SECTION I.

AGASSIZ, ALEXANDER.

1888. Three cruises of the U. S. Coast and Geodetic Survey steamer Blake. . . . Houghton, Mifflin & Co., Boston, 1888, 2 vol. (Reprinted from Bulletin of the Museum of Comparative Zoology, vol. xiv.)

ALLEN, E. J.

1899. On the fauna and bottom deposits near the thirty-fathom line from the Eddystone Grounds to Start Point. *Journal of the Marine Biological Association*, vol. v, n. s., 1897-1899, p. 365-542. charts I-XVI. (June, 1899.) Plymouth.
1900. The fauna of the Salcombe estuary. *Ibid.*, vol. vi, n. s., 1900-1903, p. 151-217, 1 pl. (November, 1900.)

ALLEN, E. J., AND TODD, R. A.

- 1900-3. The fauna of the Exe estuary. *Journal of the Marine Biological Association*, vol. vi, n. s., 1900-3, p. 295-335. Plymouth.

APGAR, A. C.

1891. Mollusks of the Atlantic coast of the United States south to Cape Hatteras. *Journal of the New Jersey Natural History Society*, vol. ii, no. 2, January, 1891, p. 75-160, pl. II-IV. Trenton.

BAIRD, S. F.

1873. Report on the condition of the sea fisheries of the south coast of New England in 1871 and 1872. Report U. S. Commissioner of Fish and Fisheries 1872-73, p. 1-280. Washington.
1873a. List of fishes collected at Woods Hole. *Ibid.*, 1872-73, p. 823-827.
1876. *Ibid.*, 1873-74 and 1874-75 (1876), p. VII-IX.
1879. *Ibid.*, 1877 (1879), p. 1-48.
1885. *Ibid.*, 1883 (1885), p. I-XCV.

BAIRD, S. F., AND JACOBSON, H.

1878. Tables of temperatures of air and water at sundry stations of the United States Signal Office, from March, 1874, to February, 1875, and from March, 1876, to February, 1877, inclusive. Report U. S. Commissioner of Fish and Fisheries for 1875-76 (1878), p. 851-861. Washington.

BALCH, F. N.

1899. List of marine Mollusca of Cold Spring Harbor, Long Island, with descriptions of one new genus and two new species of nudibranchs. *Proceedings of the Boston Society of Natural History*, vol. xxix, October, 1899, p. 133-162, pl. 7. Boston.

BARNES, H. T.

1906. Ice formation, with special reference to anchor ice and frazil. 260 p. New York, 1906.

BOGUSLAWSKI, G. VON.

1884. *Handbuch der Oceanographie*, bd. I, 1884, 386 p. Stuttgart.

BOGUSLAWSKI, G. VON, AND KRUMMEL, O.

1887. *Handbuch der Oceanographie*, bd. II, 1887, 592 p. Stuttgart.

BOSTON SOCIETY OF NATURAL HISTORY.

1908. The New England marine area. *Museum and Library Bulletin*, no. 7, May, 1908, p. 2, 3, 4. Boston.

BUMPUS, H. C.

1898. The breeding of animals at Woods Holl during the month of March, 1898. *Science*, n. s., vol. VII, no. 171, April 8, 1898, p. 485-487. New York.
1898a. The breeding of animals at Woods Holl during the month of May, 1898. *Ibid.*, vol. VIII, no. 185, July 15, 1898, p. 58-61.
1898b. The breeding of animals at Woods Holl during the months of June, July, and August. *Ibid.*, vol. VIII, no. 207, December 16, 1898, p. 850-858.
1899. The reappearance of the tilefish. *Bulletin U. S. Fish Commission*, vol. XVIII, 1898, p. 321-333. Washington.

COLLINS, J. W.

1884. The history of the tilefish. Report U. S. Fish Commission 1882, p. 237-292, pl. 1, 11. Washington.

CUNNINGHAM, J. T.

- 1895-1897. Physical and biological conditions in the North Sea. Journal of the Marine Biological Association, vol. iv, n. s., 1895-1897, p. 233-263. Plymouth.

DALL, W. H.

1871. Remarks recorded in Proceedings of the Boston Society of Natural History, vol. XIII, 1871, p. 164. Boston.
1889. A preliminary catalogue of the shell-bearing marine mollusks and brachiopods of the southeastern coast of the United States, with illustrations of many of the species. Bulletin of the U. S. National Museum, no. 37, 1889, 232 p., pl. 1-xcv. Washington. (Reprinted, with additional plates, in 1903.)

DANA, J. D.

1852. Crustacea. United States Exploring Expedition, vol. XIII, 1852. (Especially reference to section "On the geographical distribution of Crustacea," pt. III, p. 1451-1592.)
1853. On an isothermal oceanic chart, illustrating the geographical distribution of marine animals. American Journal of Science and Arts, 2d ser., vol. XVI, no. 47, September, 1853, p. 153-167, 317-327, 1 chart. New Haven ["From the author's Expl. Exped. Report on Crustacea, p. 1451."]

DAWSON, W. B.

1906. The currents of the southeastern coasts of Newfoundland [etc.]. Published by the Department of Marine and Fisheries, Ottawa, Canada, 1906, 32 p., 9 pl.

DESOR, E.

1848. [Notes in report of meeting.] Proceedings of the Boston Society of Natural History, vol. III, p. 65-68 (meeting of October 18, 1848). Boston.
1849. [Notes in report of meeting.] Ibid., vol. III, p. 108-110 (meeting of January 17, 1849).

DICKSON, H. N.

- 1891-92. Physical investigations. Journal of the Marine Biological Association, vol. II (n. s.). 1891-92, p. 159-170, 272-276. Plymouth.

EDWARDS, B. J.

1873. Table of temperatures of the Little Harbor, Woods Hole, Mass., from January, 1873, to December, 1873 (inclusive). Furnished by the Lighthouse Board, from observations of Capt. B. J. Edwards. Report U. S. Fish Commission 1872-73, p. 828-831. Washington.

FARLOW, W. G.

1873. List of the seaweeds or marine algæ of the south coast of New England. Report U. S. Fish Commission 1871-72 (1873), p. 281-294.
1882. The marine algæ of New England. Ibid., 1879 (1882), p. 1-210, pl. 1-xv. Washington.

FORBES, EDWARD.

1843. Report on the Mollusca and Radiata of the Ægean Sea, and on their distribution, considered as bearing on geology. Report 13th meeting British Association for the Advancement of Science, 1843 (pub. 1844), p. 130-193. London.
1844. On the light thrown on geology by submarine researches. The Edinburgh New Philosophical Journal, vol. XXXVI, 1844, p. 318-327. Edinburgh.
1851. Report on the investigation of British marine zoology by means of the dredge. Part 1.—The infra-littoral distribution of marine Invertebrata on the southern, western, and northern coasts of Great Britain. Ibid., 20th meeting, 1850 (1851), p. 192-263.
1859. The natural history of the European seas. (Edited and continued by Robert Godwin-Austen.) 306 p., London.

FORBES, EDWARD, AND HANLEY, SYLVANUS.

1853. A history of British Mollusca and their shells. 4 vol. London.

GANONG, W. F.

1886. Is *Littorina litorea* introduced or indigenous? American Naturalist, vol. XX, p. 931-940. Philadelphia.

GARSTANG, WALTER.

1893-95. Faunistic notes at Plymouth during 1893-94. *Journal of the Marine Biological Association*, n. s., vol. III, 1893-95, p. 210-235. Plymouth.

1897-99. Hjort's hydrographic-biological studies of the Norwegian fisheries: A review. *Ibid.*, vol. V, 1897-99, p. 56-71.

GILL, THEODORE.

1873. Catalogue of the fishes of the east coast of North America. Report U. S. Commissioner of Fish and Fisheries 1871-72 (1873), p. 779-822. Washington.

GOODE, G. B.

1886. The status of the U. S. Fish Commission in 1884. Report U. S. Fish Commission 1884 (1886), p. 1139-1184. Washington.

GOULD, A. A.

1840. Results of an examination of the shells of Massachusetts, and their geographical distribution. *Boston Journal of Natural History*, vol. III, 1840, p. 483-494. Boston.

1841. Report on the Invertebrata of Massachusetts, comprising the Mollusca, Crustacea, Annelida, and Radiata. Cambridge, 1841, 373 p., 15 pl.

GRAEFFE, EDUARD.

1880-1905. Uebersicht der Seethier-Fauna des Golfes von Triest, nebst Notizen über Vorkommen, Lebensweise, Erscheinungs- und Fortpflanzungszeit der einzelnen Arten. Arbeiten aus dem zoologischen Institut der Universität Wien und der zoologischen Station in Triest. (Parts I-X, extending from tom III, 1880, to tom XV, 1903.) Wien.

HARRIS, R. A.

1907. Manual of tides. Part v.—Currents, shallow-water tides, meteorological tides, and miscellaneous matters. Report U. S. Coast and Geodetic Survey 1907, p. 231-545, pl. Washington.

HARVEY, W. H.

1852. Nereis Boreali-Americana; or, Contributions to a history of the marine algæ of North America. Part I.—Melanospermeæ. *Smithsonian Contributions to Knowledge*, vol. III, art. 4, 1852, p. VIII+150, pl. I-XII. Washington.

HEAPE, WALTER.

1888. Preliminary report upon the fauna and flora of Plymouth Sound. *Journal of the Marine Biological Association*, vol. I, no. 2, August, 1888, p. 153-193. Plymouth.

HELLAND-HANSEN, B.

1905. Report on hydrographical investigations in the Faroe-Shetland Channel and the northern part of the North Sea in the year 1902. In: Report on fishery and hydrographical investigations in the North Sea and adjacent waters. Conducted for the Fishery Board for Scotland in cooperation with the International Council for the Exploration of the Sea. 1902-03 (pub. 1905), p. 1-49, pl. I-III. London.

HERDMAN, W. A.

1901. Fourteenth annual report of the Liverpool Marine Biology Committee and their biological station at Port Erin. *Transactions of the Liverpool Biological Society*, vol. XV (1901) p. 19-74, pl. I-VII. Liverpool.

1903-1906. Report to the Government of Ceylon on the pearl-oyster fisheries of the Gulf of Manaar. With supplementary reports upon the marine biology of Ceylon by other naturalists. Parts I-V. London.

HERDMAN, W. A., AND OTHERS.

1894. The marine zoology of the Irish Sea. Report of the committee, consisting of Mr. George Brook, Prof. A. C. Haddon, Mr. W. E. Hoyle, Mr. I. C. Thompson (secretary), Mr. A. O. Walker, and Prof. W. A. Herdman (chairman). Report of the British Association for the Advancement of Science, 1893 (pub. 1894), p. 526-536, pl. IV. London.

1894a. The marine zoology of the Irish Sea. Second report of the committee. *Ibid.*, 1894 (1894), p. 318-334, pl. I.

1895. The marine zoology, botany, and geology of the Irish Sea. Third report of the committee. *Ibid.*, 1895 (1895), p. 455-467.

1896. The marine zoology, botany, and geology of the Irish Sea. Fourth and final report of the committee. *Ibid.*, 1896 (1896), p. 417-450.

HERDMAN, W. A., AND DAWSON, R. A.

1902. Fishes and fisheries of the Irish Sea. Lancashire sea-fisheries memoir, no. 11, 1902, p. 98. London.

HERDMAN, W. A., AND LOMAS, J.

1898. On the floor deposits of the Irish Sea. Proceedings of the Liverpool Geological Society, 1897-98 (pub. 1898), p. 205-232. Liverpool.

HOYLE, W. E.

1890. On the deep-water fauna of the Clyde sea-area. Journal of the Linnæan Society, vol. xx, p. 442-472.

INTERNATIONAL CONFERENCE FOR THE EXPLORATION OF THE SEA, STOCKHOLM, 1899.

1903. Journal of the Marine Biological Association, vol. vi, n. s., 1900-1903, p. 101-114. Plymouth.

JEFFREYS, J. G.

1869. Last report on dredging among the Shetland Isles. Report of the British Association for the Advancement of Science 1868 (pub. 1869), p. 232-247. London.

JOHNSTONE, JAMES.

1906. Some results of the international fishery investigations. Journal of the Marine Biological Association, vol. vii, n. s., no. 5, October, 1906, p. 437-486. Plymouth.

1908. Conditions of life in the sea. xiii+332 p. Cambridge University Press, 1908.

JORDAN, D. S.

1905. The origin of species through isolation. Science, n. s., vol. xxii, no. 566, November 3, 1905, p. 545-562. New York.

JORDAN, D. S., and EVERMANN, B. W.

1896-1900. The fishes of North and Middle America. Bulletin of the U. S. National Museum, no. 47, iv pt., 3313 p., ccxcii pl. Washington.

KIDDER, J. H.

1887. Report on the thermometers of the U. S. Commission of Fish and Fisheries. U. S. Fish Commission Report 1885 (1887), p. 185-214. Washington.

LEIDY, JOSEPH.

1855. Contributions toward a knowledge of the marine invertebrate fauna of the coasts of Rhode Island and New Jersey. Journal of the Academy of Natural Sciences of Philadelphia, vol. iii, 2d ser. Philadelphia. Reprint, 1855, p. 2-19, pl. x, xi.

LESLIE, GEORGE, AND HERDMAN, W. A.

1881. The invertebrate fauna of the Firth of Forth. Proceedings of the Royal Physical Society of Edinburgh, vol. vi, 1881, p. 68-95, 201-231, 268-316. Edinburgh.

LIBBEY, WILLIAM.

1891. Report upon a physical investigation of the waters off the southern coast of New England, made during the summer of 1889 by the U. S. Fish Commission schooner *Grampus*. Bulletin of the United States Fish Commission, vol. ix, 1889 (1891), p. 391-459, pl. cxxiv-clviii. Washington.

1891a. The study of ocean temperatures and currents. Biological lectures of the Marine Biological Laboratory, 1890 (pub. 1891), p. 231-250. Boston.

1892. On an investigation of the relations of cold and warm ocean currents off the New England coast, by the U. S. Fish Commission, with the cooperation of the U. S. Coast and Geodetic Survey. Report U. S. Coast and Geodetic Survey, 1891 (1892), pt. ii, p. 279-281. Washington.

1895. The relationships of the Gulf Stream and the Labrador Current. Report of the Sixth International Geographical Congress, London, 1895, p. 13, 1 pl.

LO BIANCO, SALVATORE.

1888, 1889. Notizie biologiche riguardanti specialmente il periodo di maturità sessuale degli animali del golfo di Napoli. Mittheilungen der zoologischen Station zu Neapel, bd. 8, 1888, p. 385-440; also (same title) bd. 13, 1899, p. 448-573. Berlin.

MARINE BIOLOGICAL ASSOCIATION.

1904. Plymouth marine invertebrate fauna, being notes of the local distribution of species occurring in the neighborhood. Compiled from the records of the laboratory of the Marine Biological Association. Journal of the Marine Biological Association, vol. vii, n. s., no. 2, December, 1904, p. 155-298. Plymouth.

MARION, A-F.

1883. Esquisse d'une topographie zoologique du Golfe de Marseille. *Annales du Musee d'Histoire Naturelle de Marseille*, t. I, 1883, p. 5-108.

MEAD, A. D.

1898. The breeding of animals at Woods Holl during the month of April, 1898. *Science*, n. s., vol. VII, no. 177, May 20, 1898, p. 702-704. New York.

MERRIAM, C. H.

1889. General results of a biological survey of the San Francisco mountain region in Arizona, with special reference to the distribution of species. U. S. Department of Agriculture, October, 1889. *North American Fauna* no. 3, p. 5-34, Washington.
1895. Laws of temperature control of the geographic distribution of terrestrial animals and plants. *National Geographic Magazine*, vol. VI, 1895, p. 229-238, pl. 12-14. Washington.
1898. Life zones and crop zones. U. S. Department of Agriculture, Division of Biological Survey, *Bulletin* no. 10, 1898, p. 1-79. Washington.

MURRAY, JOHN.

1895. A summary of the scientific results obtained at the sounding, dredging, and trawling stations of H. M. S. Challenger, pt. I and II, 1895. Report on the scientific results of the voyage of H. M. S. Challenger during the years 1872-1876. London.

NORMAN, A. M.

1869. Shetland final dredging report. Part II.—On the Crustacea, Tunicata, Polyzoa, Echinodermata, Actinozoa, Hydrozoa, and Porifera. Report of the British Association for the Advancement of Science, 1868 (pub. 1869), p. 247-336. London.

NORTH SEA FISHERIES INVESTIGATION COMMITTEE.

1905. Report on fishery and hydrographical investigations in the North Sea and adjacent waters. 1902-3 (pub. 1905). Conducted for the Fishery Board for Scotland, in cooperation with the International Council for the Exploration of the Sea, 618 p. London.
- 1905a. First report on fishery and hydrographical investigations in the North Sea and adjacent waters (southern area). Conducted for His Majesty's Government by the Marine Biological Association of the United Kingdom. 1902-3 (pub. 1905), 377 p. London.
1907. Second report (northern area) on fishery and hydrographical investigations in the North Sea and adjacent waters. 1904-5. Part I.—Hydrography. Conducted for the Fishery Board for Scotland in cooperation with the International Council for the Exploration of the Sea under the superintendence of D'Arcy Wentworth Thompson, 1907, p. 209. London.

PACKARD, A. S.

1863. A list of animals dredged near Caribou Island, southern Labrador, during July and August, 1860. *Canadian Naturalist and Geologist*, vol. VIII, December, 1863, p. 401-429. Montreal.

PARKER, G. H.

1902. Notes on the dispersal of *Sagartia luciae* Verrill. *American Naturalist*, vol. XXXVI, no. 426, p. 491-493. Boston.

PERKINS, G. H.

1869. Molluscan fauna of New Haven. A critical review [etc.]. *Proceedings of the Boston Society of Natural History*, vol. XIII, 1869, p. 109-136, 139-163. Boston.

PERKINS, H. F.

1902. The development of *Gonionema murbachii*. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 1902, p. 750-790, pl. XXI-XXXIV. Philadelphia.

PETERSEN, C. G. JOH.

1893. Det Videnskabelige Udbytte af Kononbaaden "Hauchs" Togter. (General results translated into English.) 464 p., 7 pl., and 14 distribution charts. Copenhagen, 1893.

PETTERSSON, OTTO.

1894. A review of Swedish hydrographic research in the Baltic and the North Seas. *Scottish Geographical Magazine*, vol. X, 1894 (1894), p. 281-302, 352-359, 413-427, 449-462, 525-539, 617-635. Edinburgh.

PRUVOT, G.

1894. Essai sur la topographie et la constitution des fonds sous-marins de la plaine du Roussillon au Golfe de Rosas. Archives de Zoologie expérimentale et générale, 3d ser., t. II, 1894, p. 599-672, 1 pl. Paris.
1895. Coup d'œil sur la distribution générale des invertébrés dans la région de Banyuls (Golfe de Lion). Ibid., 3d ser., t. 3, 1895, p. 629-658.
1897. Essai sur les fonds et la faune de la Manche Occidentale (côtes de Bretagne) comparés à ceux du Golfe de Lion. Ibid., 3 ser., t. v, 1897, p. 511-664, pl. XXI-XXVI.

RATHBUN, R.

1887. Ocean temperatures of the eastern coast of the United States, from observations made at 24 lighthouses and lightships. The Fisheries and Fishery Industries of the United States, sec. III, 1887, p. 157-238, 32 charts. U. S. Fish Commission, Washington, 1883-1887.

RITTER, W. E.

1912. The Marine Biological Station of San Diego, its history, present conditions, achievements and aims. University of California Publications in Zoology, vol. 9, no. 4, p. 137-248, pl. 18-24, 2 maps. Berkeley.

SCHARFF, R. F.

1899. The fauna and flora of Valencia Harbor on the west coast of Ireland. (Communicated by Dr. R. F. Scharff.) Proceedings of the Royal Irish Academy, 3d ser., vol. v, 1898-1900 (com. June 26, 1899), p. 667-845, pl. XIX-XXI. Dublin.

SCHOTT, GERHARD.

1897. Die Gewässer der Bank von Neufundland und ihrer weitem Umgebung. Petermann's Mitteilungen, 43 bd., 1897, p. 201-212, taf. 15. Gotha.

SHALER, N. S.

1888. Report on the geology of Marthas Vineyard. Seventh Annual Report of Director of U. S. Geological Survey, 1885-86 (1888), p. 297-363, pl. XX-XXIX. Washington.
1898. Geology of the Cape Cod district. Eighteenth Annual Report of the U. S. Geological Survey, 1896-97 (1898), pt. II, p. 593-593. Washington.

SMITH, SANDERSON.

1889. Lists of the dredging stations of the U. S. Fish Commission, the U. S. Coast Survey, and the British steamer Challenger, in North American waters, from 1867 to 1887, together with those of the principal European Government expeditions in the Atlantic and Arctic Oceans. Report U. S. Fish Commission 1886 (1889), p. 873-1017, 9 charts. Washington.

SMITH, SANDERSON, AND PRIME, TEMPLE.

1870. Report on the Mollusca of Long Island, N. Y., and of its dependencies. Annals of the Lyceum of Natural History of New York, vol. IX, 1870, p. 377-407. New York.

SMITH, SANDERSON, AND RATHBUN, RICHARD.

1882. Lists of the dredging stations of the United States Fish Commission from 1871 to 1879, inclusive, with temperature and other observations. Report U. S. Fish Commission 1879 (1882), p. 559-601. Washington.

SMITH, S. I.

1879. The stalk-eyed crustaceans of the Atlantic coast of North America, north of Cape Cod. Transactions of the Connecticut Academy of Arts and Sciences, vol. v, 1879, p. 27-138. pl. VIII-XII. New Haven.
1884. Report of the decapod Crustacea of the Albatross dredgings off the east coast of the United States in 1883. Report U. S. Fish Commission 1882 (1884), p. 345-426, pl. I-X. Washington.

STILES, C. W.

1905. The international code of zoological nomenclature as applied to medicine. Bulletin no. 24. Hygienic Laboratory of the Public Health and Marine Hospital Service, September, 1905, p. 50. Washington.

STIMPSON, W.

1851. Shells of New England. A revision of the synonymy of the testaceous mollusks of New England, with notes on their structure, and their geographical and bathymetrical distribution. 58 p. pl. I and II. Boston, 1851.
1853. Synopsis of the marine invertebrata of Grand Manan, or the region about the mouth of the Bay of Fundy, New Brunswick. Smithsonian Contributions to Knowledge, January, 1853, p. 1-66, pl. I-III. Washington.

SUMNER, F. B.

- 1904-1909. Reports of the work of the biological laboratory of the Bureau of Fisheries at Woods Hole, Mass. (Titles differing somewhat from year to year.) Science, February 12, 1904 (report for 1903); April 14, 1905 (for 1904); December 29, 1905 (for 1905); May 3, 1907 (for 1906); New York. American Naturalist, May, 1908 (for 1907); New York. Science, June 25, 1909 (for 1908).
1906. The physiological effects upon fishes of changes in the density and salinity of water. Bulletin of the Bureau of Fisheries, vol. XXV, 1905 (1906), p. 53-108. Washington.
1909. On the occurrence of the littoral barnacle *Chthamalus stellatus* (Poli) at Woods Hole, Mass. Science, n. s., vol. XXX, no. 768, September 17, 1909, p. 373-374. New York.
1910. An intensive study of the fauna and flora of a restricted area of sea bottom. Bulletin of the Bureau of Fisheries for 1908, vol. XXVIII (Proceedings of the Fourth International Fisheries Congress), p. 1225-1263 (doc. no. 716). Washington.

SUPAN, A.

1903. Grundzüge der physischen Erdkunde. 1903, 852 p. Leipzig.

TANNER, Z. L.

1884. Report on the construction and work in 1880 of the Fish Commission steamer Fish Hawk. Report U. S. Fish Commission 1881 (1884), p. 3-53, pl. I-XVIII. Washington.
- 1884a. A report of the work of the U. S. Fish Commission steamer Fish Hawk for the year ending December 31, 1881. Ibid., 1881 (1884), p. 55-85.
1885. Report on the construction and outfit of the U. S. Fish Commission steamer Albatross. Ibid., 1883 (1885), p. 3-116, pl. I-IV.
1897. Deep-sea exploration: A general description of the steamer Albatross, her appliances and methods. Bulletin U. S. Fish Commission, 1896 (1897), p. 257-428, pl. I-XL. Washington.

THOMPSON, M. T.

1899. The breeding of animals at Woods Hole during the month of September, 1898. Science, n. s., vol. IX, no. 225, April 14, 1899, p. 581-583. New York.

UNITED STATES COAST AND GEODETIC SURVEY.

1907. Tide tables for the year 1908. 524 p., 21 illus., 15 diag. Washington, 1907.

UNITED STATES DEPARTMENT OF AGRICULTURE.

1911. Report of the Chief of the Weather Bureau, 1909-10, 281 p.

UNITED STATES HYDROGRAPHIC OFFICE.

1891. Sailing directions for Nova Scotia, Bay of Fundy, and south shore of Gulf of St. Lawrence. Washington, 1891, p. 305.

VERRILL, A. E.

1866. On the polyps and echinoderms of New England, with descriptions of new species. Proceedings of the Boston Society of Natural History, vol. X, 1866, p. 333-357. Boston.
- 1866a. Note on the distribution of North American birds. American Journal of Science and Arts, 2d ser., vol. XLI, March, 1866, p. 249-250. New Haven.
1871. On the distribution of marine animals on the southern coast of New England. Ibid., 3d ser., vol. II, 1871, p. 357-362.
1873. Results of recent dredging expeditions on the coast of New England. Ibid., 3d ser., vol. V, February, 1873, p. 98-106.
1880. Rapid diffusion of *Littorina littorea* on the New England coast. American Journal of Science and Arts, 3d ser., vol. XX, p. 251. New Haven.
1883. Description of some of the apparatus used by the United States Commission of Fish and Fisheries in dredging off the New England coast. Report U. S. Fish Commission 1880 (1883), p. 65-74, pl. I-IV. Washington.

VERRILL, A. E.—Continued.

1884. Notice of the remarkable marine fauna occupying the outer banks off the southern coast of New England, and of some additions to the fauna of Vineyard Sound. *Ibid.*, 1882 (1884), p. 641-669.
1885. Results of the explorations made by the steamer Albatross off the northern coast of the United States in 1883. Report U. S. Fish Commission 1883 (1885), p. 503-699, pl. I-XLIV. Washington.
1898. Descriptions of new American actinians, with critical notes on other species. *American Journal of Science and Arts*, 4th ser., vol. VI, p. 493-498. New Haven.

VERRILL, A. E., AND SMITH, S. I.

1873. Report upon the invertebrate animals of Vineyard Sound, and the adjacent waters, with an account of the physical characters of the region. Report U. S. Commissioner of Fish and Fisheries 1871-72 (1873), p. 295-778, pl. I-XXXVIII. Washington.

WALTHER, J.

- 1893-94. *Einleitung in die Geologie als historische Wissenschaft*. I. Theil: Bionomie des Meeres II. Theil: Die Lebensweise der Meeresthiere. 1055 p., Jena, 1893-94.

WALTON, C. L.

1908. Notes on some Sagartiidae and Zoanthidae from Plymouth. *Journal of the Marine Biological Association*, vol. VIII, n. s., no. 2, May, 1908, p. 207-214. Plymouth.

WHITEAVES, J. F.

1901. Catalogue of the marine Invertebrata of eastern Canada. Geological Survey of Canada, 1901, p. 272. Ottawa.

WOODWARD, S. P.

1880. A manual of the Mollusca, being a treatise on recent and fossil shells. 4th edition, with appendix by Ralph Tate; 542 + 86 p., 23 pl., London, 1880.

WORTH, R. H.

1908. The dredgings of the Marine Biological Association (1895-1906), as a contribution to the knowledge of the geology of the English Channel. *Journal of the Marine Biological Association*, vol. VIII, n. s., no. 2, May, 1908, p. 118-188, pl. VI-XVII. Plymouth.